342 [462] [476] [824] (9) While the stones are being set and the uprights are being put on them, the women of the house and their female friends and relatives have brought in miscanthus grass and have begun making sheaves, tying each sheaf with a piece of grass. This goes on while the rafter poles are being nailed down. It is over this that the thatch is placed. The grass may be green or dry. In December it is in blossom, and when it is used, it gives the roof a snowy, fluffy appearance.

342 335 (10) A series of short rods of dwarf bamboo or dried miscanthus stalks is then prepared to fit over the checkerboard made by the interacting poles of the roof. The ends of these, which are about 7 feet long and 1/2 inch in diameter, are inserted into the braid of two lengths of rope about 5 feet long. These rods are placed at about 3 inch intervals. These frames are laid end down slope. They [284] are lashed to the poles and to other bracing material beneath. All this is the work of men. While some of them are on the roof, others [462] have begun nailing the siding. (See Fig. 6 for a sketch of the frames).

This is a very cheap lumber about 6 feet x 1 inch x 3/8 inch. The sides are boarded up like shingles except that the boards have uniform thickness. Each board overlaps the next lower one by 1/2 inch, a space of about 3 inches is left from the top of the upright poles to which the siding is nailed. The siding is sufficiently thin so that one side need not be thicker than the other.

(11) The triangular odd corners formed by the cross beams, the rafters and the center post are filled by fitted pieces instead of the rows of parallel rods used for the larger and more regular areas.

342 284 (12) The roof is now ready for sewing the thatch on. First, the women throw several sheaves of miscanthus on the roof. They are tossed by hand or pitched by a rude pitchfork made by lashing a short branch to a long pole to form a Y. This is the kishi. (Fig. 7). [413] One workman goes inside the dwelling. He has a pole about 6 feet long (hari, the Japanese word for needle) pointed at the end with a hole near the point. (Fig. 8). Starting from the eaves and working up, the man on the roof unties the sheaves and spreads a layer of grass along the length of the roof. This layer is held in place by a horizontal pole placed over it. The man inside has threaded the needle with stout twine; he pushes the long needle with the twine up through the network of the roof. This is taken by the workman on the roof who feeds the needle with its twine back again. This sewing continues until the three layers, the checkerboard, the parallel rods which have been lashed to it, and the grass with the poles to hold it down have been finally sewed together. As each strip is completed the workmen move up the slope a little. The grass is about 3 1/2 feet long and about one foot is allowed loose on the end to overlap the layer below. That portion of the grass which is not free is tied and sewed very securely. There is much tugging, pulling, and grunting to make the knot as tight as possible.

000 (13) As the top is reached, another operation is necessary to cap